

IN THE CLAIMS

1. (Currently Amended) A milling head for milling chamfers, in particular for a mobile chamfer mill, with successive seats 5 for cutting dies, ~~characterized in that~~ wherein the seats (6-8; 23-26; 31-33; 37-40) have a position in which the cutting dies (3; 28; 31) provided, which have a wedge angle of 40-75°, in each case operate on average with a positive rake angle of at least 6° and with a clearance angle of at least 6°, and, for a fitting with cutting dies (3; 28; 41) in an offset arrangement of the cutting edges, are provided in such a way that in each case only one cutting edge length, which amounts at most to 70% of the overall cutting edge length required according to the chamfer width, is effective.

2. (Currently Amended) The milling head as claimed in claim 1, ~~characterized by~~ comprising an effective cutting edge length of the cutting dies (3; 28; 41) provided of at most 30 mm, preferably at most 15 mm, in particular at most 12 mm.

3. (Currently Amended) The milling head as claimed in ~~claim 1 or 2, characterized in that~~ claim 1, wherein the cutting edge or cutting edges (17) of the cutting dies (3; 41) provided is or are angled obliquely (49) at its or their ends in each case by means of a chamfer (50) of the cutting die.

4. (Currently Amended) The milling head as claimed in ~~claim 1 or 2, characterized by~~ claim 1, comprising an arrangement of the seats (47; 48) such that the cutting edges (17) are oriented obliquely at a small angle with respect to the generatrix of the milling head (44).

5. (Currently Amended) The milling head as claimed in ~~one of claims 1 to 4, characterized in that~~ claim 1, wherein the cutting dies provided are designed as reversible dies (3; 28; 41) and, on the whole, parallelepipedal with two wide sides, and the seats have a bearing surface (4) per one wide side and a supporting surface (9), transmitting the thrust force, for a narrow side, or vice versa, and the reversible dies (3; 28; 41) have, on the side facing away from the supporting surface (9), a groove which forms two faces (10) and which, if appropriate with the exception of any indentations and/or protuberances of their margins forming the cutting edges, has a continuously uniform cross section mirror-symmetrical with respect to the center plane of the reversible die, the two faces (10) being planar and preferably being at an angle of 80 to 160° to one another or being concave correspondingly to a groove of round cross section.

6. (Currently Amended) The milling head as claimed in ~~one of claims 1 to 5, characterized in that~~ claim 1, wherein the

reversible dies (28; 41) provided have on their wide sides recesses (29; 42) interrupting the cutting edge or cutting edges (30; 43).

7. (Currently Amended) The milling head as claimed in ~~one of claims 1 to 6, characterized in that~~ claim 1, wherein seat designs (2; 21; 47; 48) extend over the entire generatrix of the conical or cylindrical milling head (1; 20; 44), and different seats (6-8; 23-26) for the cutting dies (3) have differently arranged threaded bores (5) for a fastening screw (16) of the cutting die (3).

8. (Currently Amended) The milling head as claimed in ~~one of claims 1 to 6, characterized in that~~ claim 1, wherein, on a conical or cylindrical milling head (34; 44), the seats (37- 40; 47; 48) are arranged in two coaxial rows, and the milling head (34; 44) is composed of two segments (35; 36; 45; 46) in each case having one of the rows.

9. (Currently Amended) The milling head as claimed in ~~one of claims 1 to 6 or 8, characterized in that~~ claim 1, wherein, on a conical milling head (34) , the seats (37-40) are arranged in two coaxial rows, and the outer row has twice as many seats (37; 38) as the inner row.

10. (Currently Amended) The milling head as claimed in ~~one of~~
~~claims 1 to 9, characterized in that~~ claim 1, wherein it is
provided with a guide mounted in its vicinity on the respective
machine (51; 62) and taking the form of stops (54; 56; 63; 64)
which are assigned to the two surfaces 57; 60) of the workpiece
which delimit the chamfer (49; 66).

11. (Currently Amended) The milling head as claimed in claim 10,
~~characterized in that~~ wherein, where a cylindrical milling head (2)
is concerned, the stops are sliding strips (63; 64) or strips (63;
64) provided with rollers, or the like.

12. (Currently Amended) The milling head as claimed in claim 10,
~~characterized in that~~ wherein, where a conical milling head (1) is
concerned, one stop is a disk (56) preferably axially displaceable
and fixable with respect to the milling head (1), and the other
stop is a freely rotatable roller (54) which preferably has only a
narrow annular stop surface at its axial end facing the milling
head (1).